



THE CITY OF SAN DIEGO

# San Diego Formation Basin

## FACT SHEET



Mount Hope Well

*A water resource strategy that includes conservation, recycled water, and groundwater supplies will help meet future water needs.*



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## Developing Potable Water Supplies

One of the top priorities of the City of San Diego is developing new local water supplies and storage. The use of groundwater reduces reliance on imported water supplies and contributes to a regional effort to reduce demands for imported water.



### Basin Overview

The San Diego Formation is located in the Southwest region of the city, south of Interstate 8 and north of State Route 905.

### Basin Capacity

Approximate yield of the basin is 10,000 acre-feet per year (AFY) and approximate storage capacity is 200,000 AF.

### Project: San Diego Formation Brackish Groundwater Desalination Project

**Estimated Cost:** \$45 million

**Estimated Timeline:** 4-5 years

**Planning Study:** \$500,000

**Planning Study Grant Funding:** Approximately \$375,000

The brackish groundwater desalination project would extract and desalinate native groundwater through reverse osmosis. As a result, approximately 5,000 AFY of groundwater would be produced. The water could then be distributed locally in the area.

A planning study is underway to estimate the basin's desalination potential. As part of the study, a monitoring well was drilled to characterize the water quality and quantity of the basin. The information gathered by the monitoring well will help to determine the preferred method of desalination technology used in the basin.